

Figure 1. Representation of the mass spectra for the "before fragmentation", left, and "after fragmentation" right. In the fragmentation spectrum representation there are three ions shown, the parent ion (C(CGAGSDPLAGSLR)IK)⁺, 1336 amu), the parent ion after loss of PLAGSLR (C(CGAGSD)IK⁺, 851 amu) and PLAGSLR⁺ {712 amu}.

FIG. 1

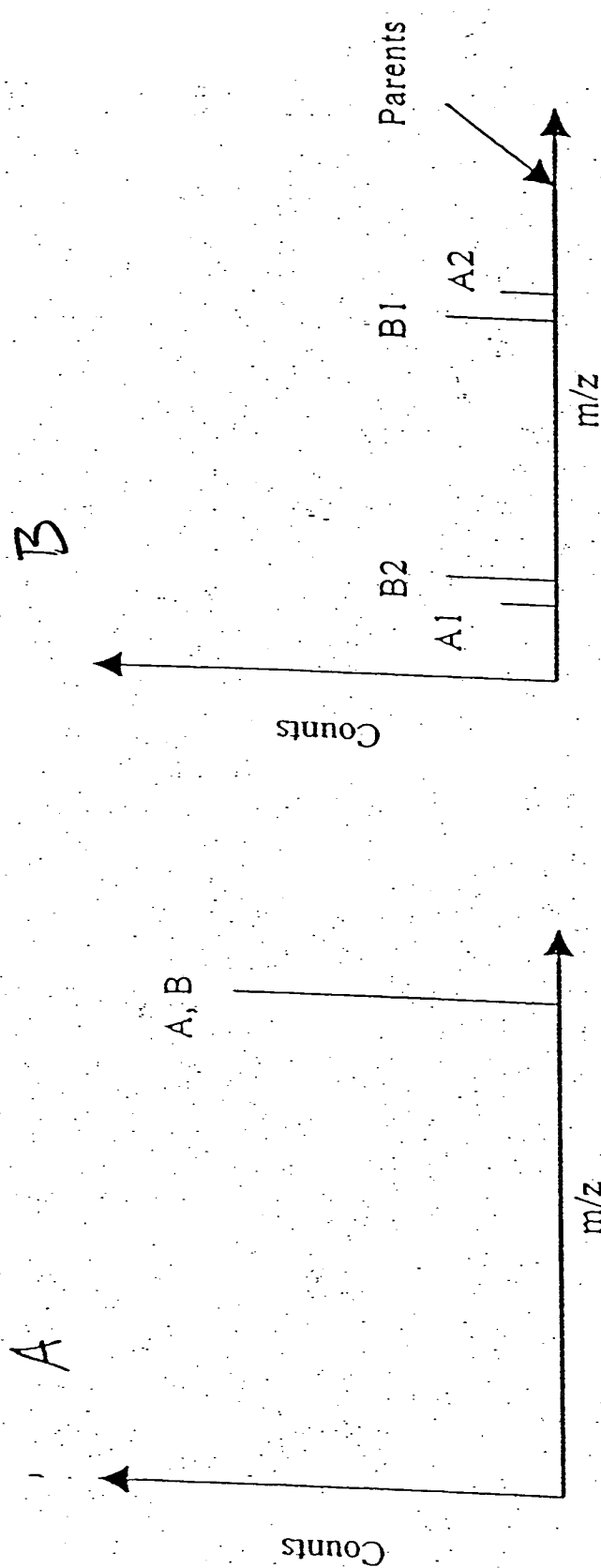


Figure 2. Schematic representation of the mass spectra of the solution of peptides A and B (The spectrum indicates there is twice as much B as A in the original sample). In the case of very low pressure in the collision cell the parent ions will pass through Q2 without fragmenting (left), with gas in the collision cell the peptides will fragment at the labile bonds (right). Note the correlation (intensities are the same, and the sum of the masses is equal to the parent ion mass-to-charge) of the A^+ daughters and the B^+ daughters.

FIG. 2

FOOT 992000

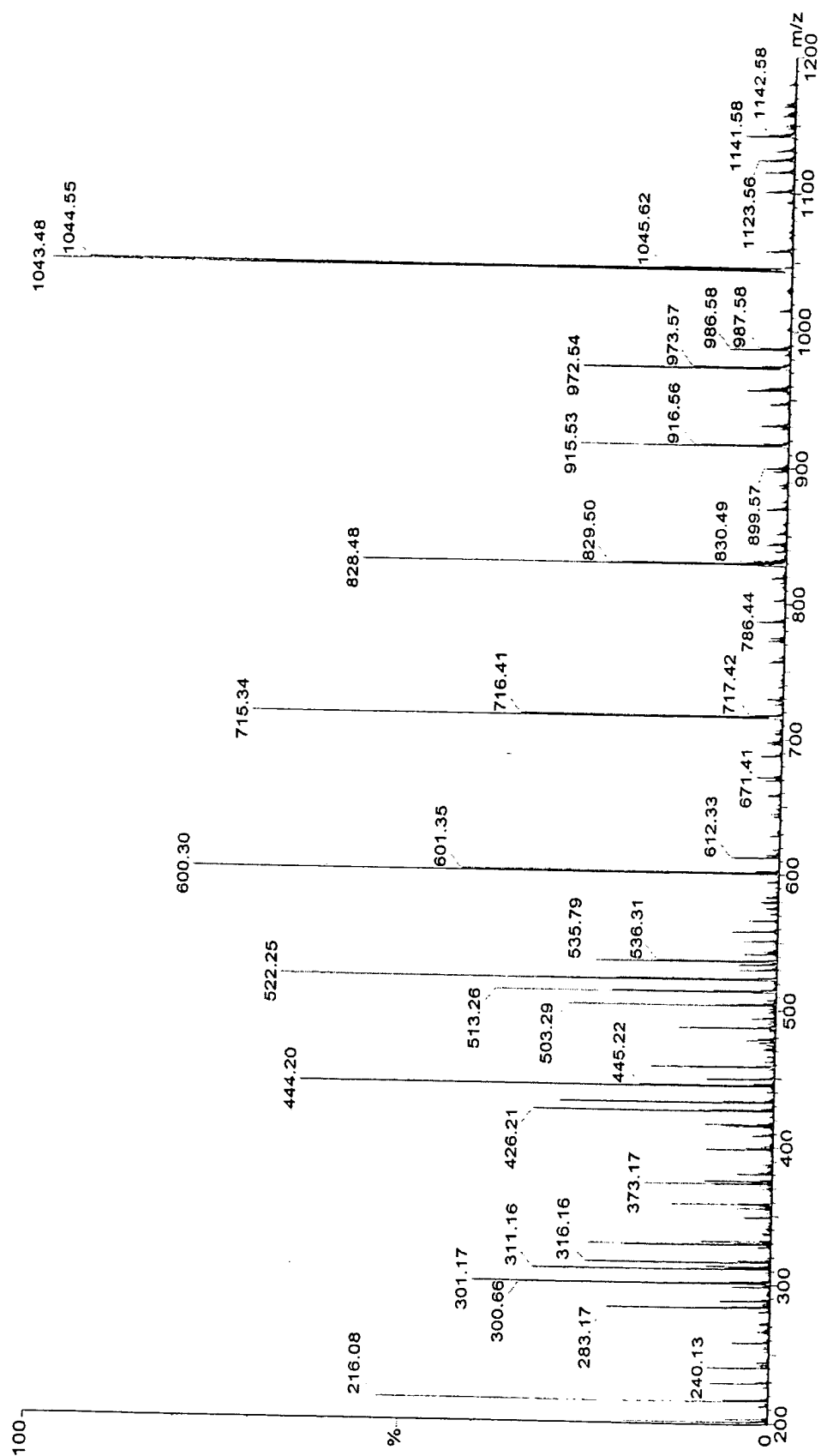


FIG. 3

Mass spectrum of compound 10. The x-axis represents the mass-to-charge ratio (m/z) from 200 to 1200, and the y-axis represents relative intensity from 0 to 100%. The base peak is at m/z 1044.52. Other labeled peaks include m/z 1043.37, 1045.59, 600.36, and 601.37.

m/z	Relative Intensity (%)
1044.52	100
1043.37	~95
1045.59	~95
600.36	~45
601.37	~40

FIG. 4

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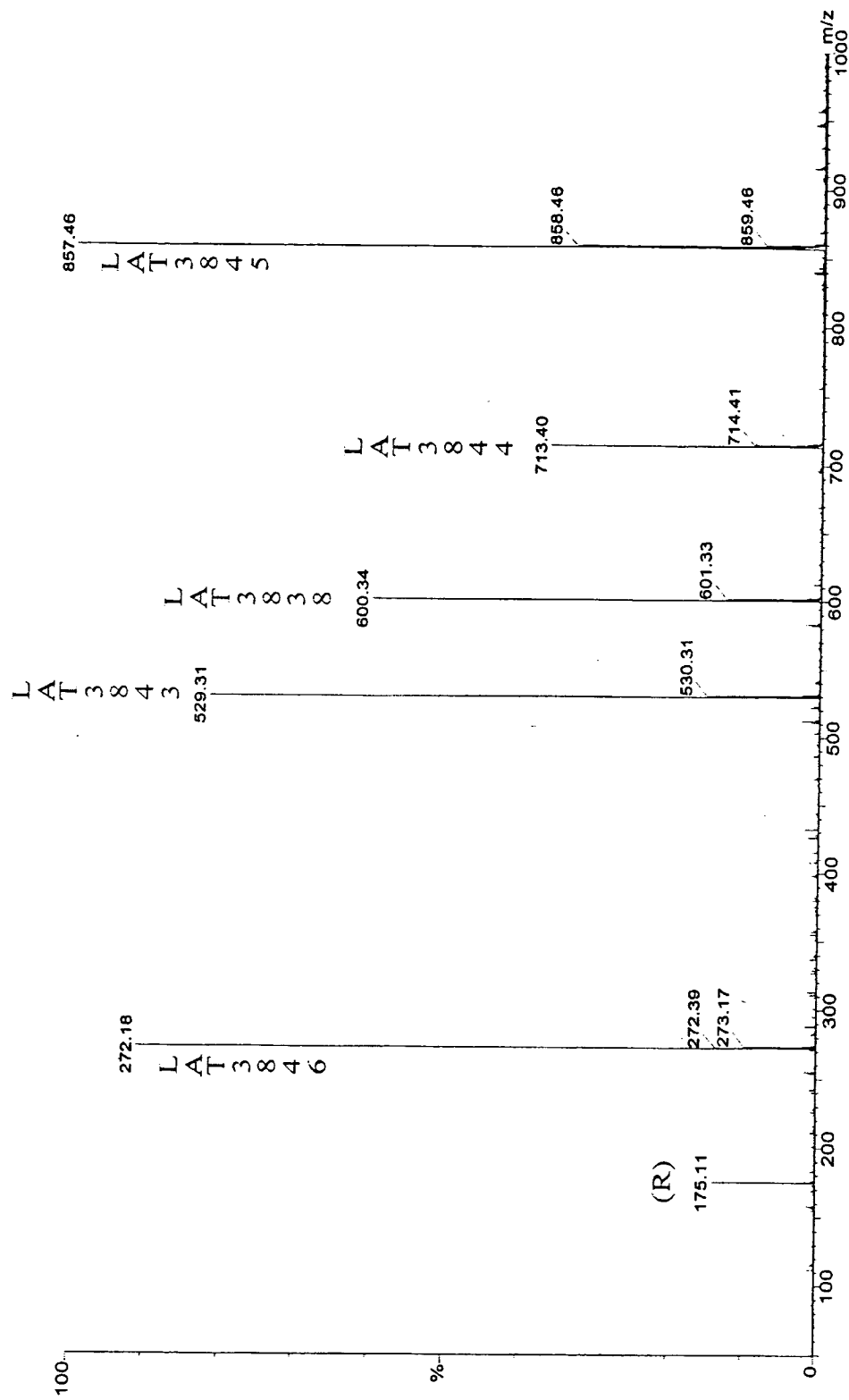


FIG. 5

Mass spectrum of the (-)-Phosphate ion. The x-axis represents the mass-to-charge ratio (m/z) from 100 to 1200, and the y-axis represents relative intensity from 0 to 100%.

Key peaks are labeled with their m/z values:

- 175.12
- 288.20
- 582.36
- 583.35
- 680.31
- 681.32
- 682.34
- 995.47
- 1027.51
- 1028.53
- 1107.52
- 1124.51
- 1125.22 (Base Peak)
- 1126.45
- 1127.56

FIG. 6

FOR 990000

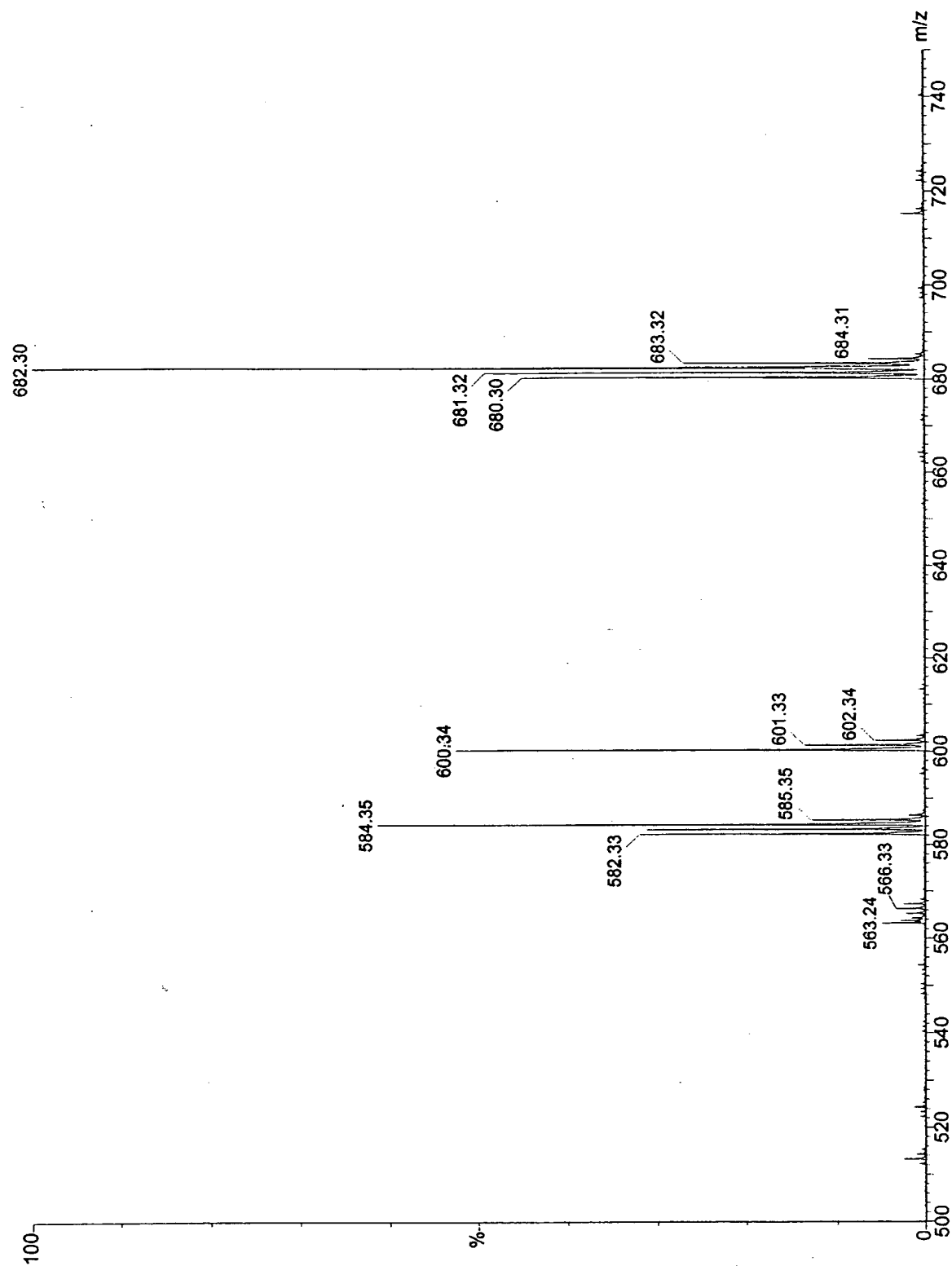


FIG. 7

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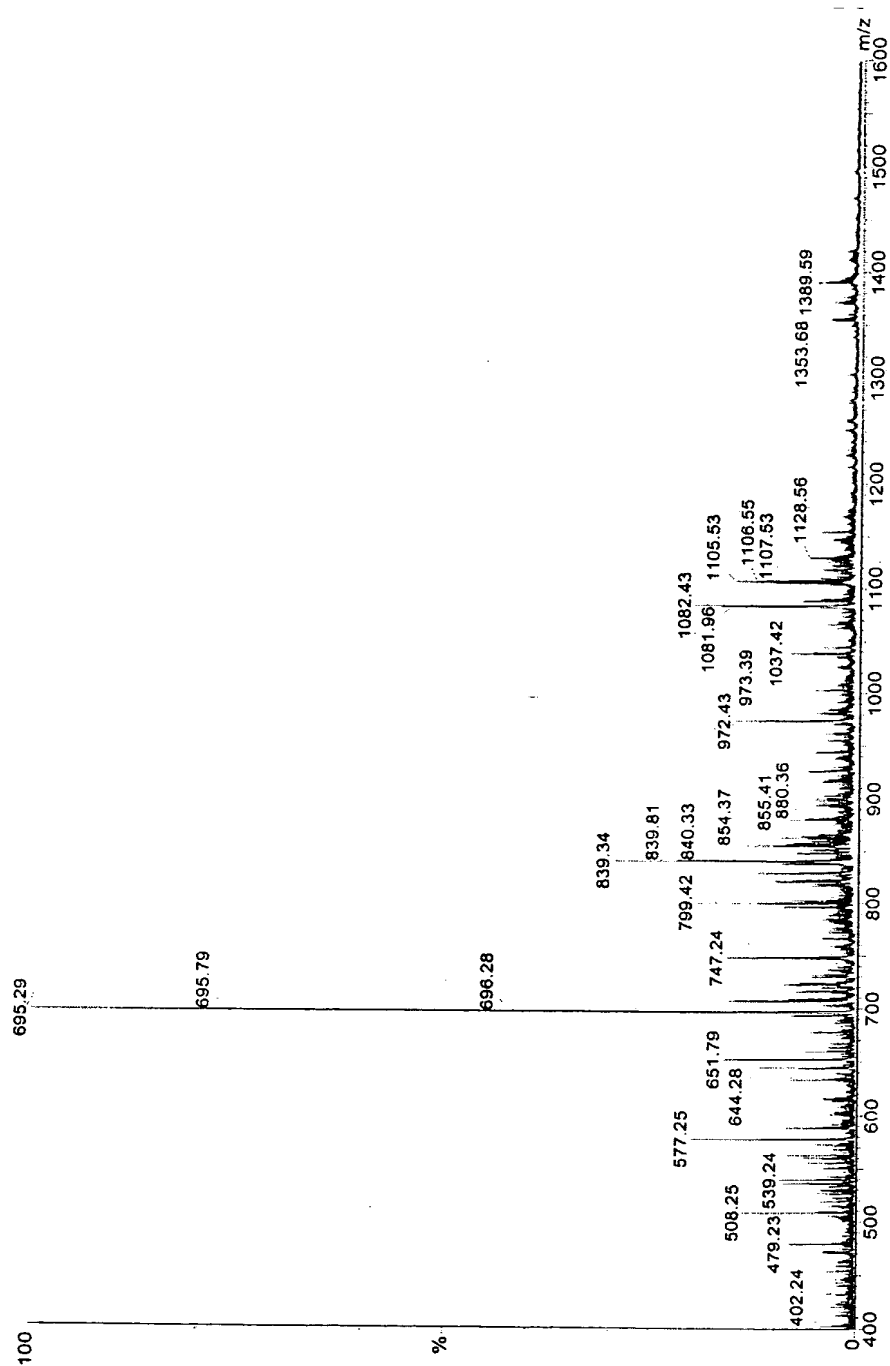


FIG. 8

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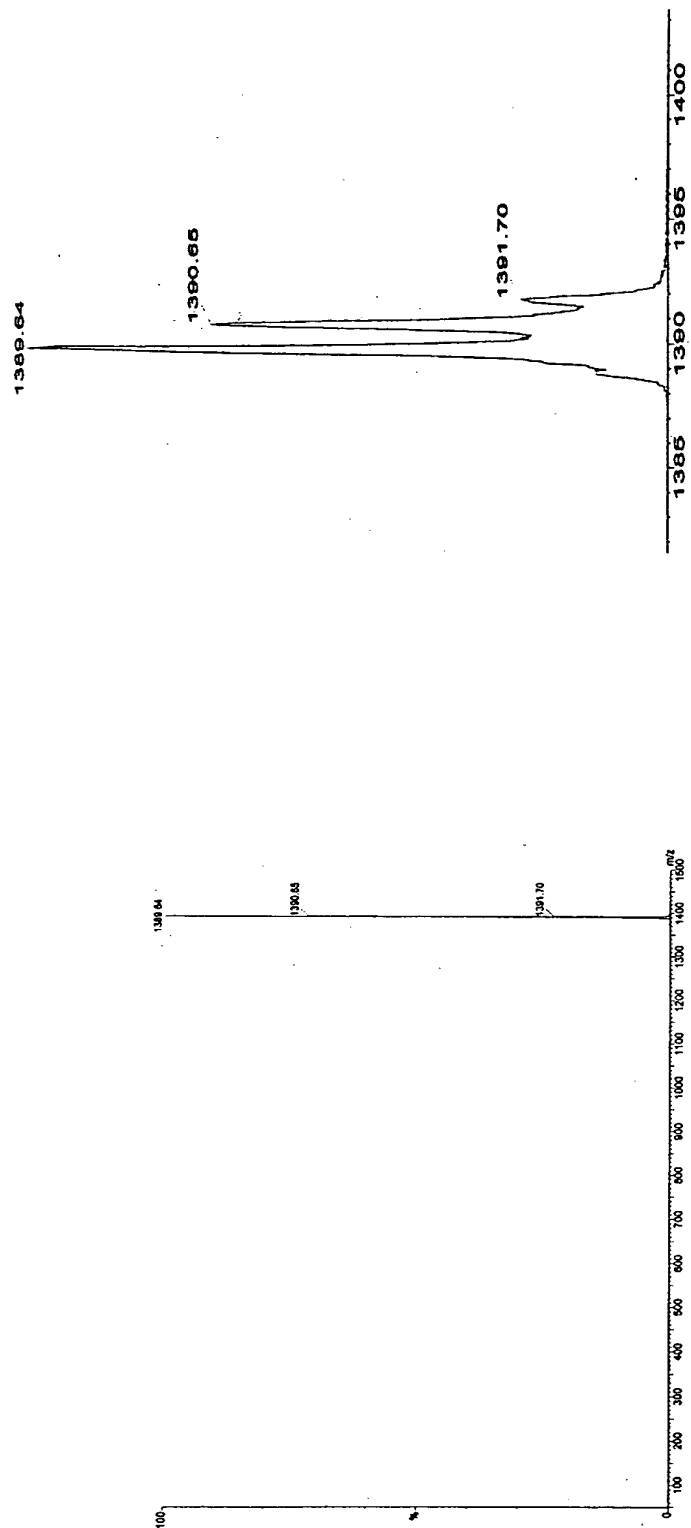


FIG. 9

Mass spectrum showing relative intensity (%) versus mass-to-charge ratio (m/z). The base peak is at m/z 1389.72. Other significant peaks are labeled with their m/z values and chemical formulas.

m/z	Chemical Formula
175.13	(R)
385.29	KER 4090
472.31	KER 4089
529.34	KER 4088
530.35	
600.38	KER 4087
601.39	
713.48	KER 4086
714.46	
717.33	
1389.72	
1390.74	
1391.62	

FIG. 10